

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies.

American climatological association.

Transactions, v. 28, 1911-12. Philadelphia. 1912. xxxiv, 347 p. 8°.

Australia. Commonwealth bureau of meteorology.

Results of meteorological observations made in western Australia during 1908. Perth. 1912. 130 p. 4 maps. 4°.

Belgium. Observatoire royal.

Annuaire météorologique, 1913. Bruxelles. 1912. vi, 325 p. 12°.

Bendel, Johann.

Wetterpropheten. 2. Aufl. Regensburg. 1913. vii, 140 p. 12°. (Naturwissenschaftliche Jugend- und Volksbibliothek. 7. Bändchen.)

Capelle, Wilhelm.

Zur meteorologischen Literatur der Griechen. Hamburg. 1912. 24 p. 4°. (Gelehrte Schule des Johanneums zu Hamburg.)

Chile. Instituto central meteorológico y geofísico.

Anuario meteorológico de Chile, 1911. [Spanish & German.] Santiago de Chile. 1912. xix, 504 p. 19 pl. f°. (Publicaciones. No. 3.)

Denmark. Dansk meteorologiske institut.

Nautisk-meteorologisk aarbog, 1912. [Danish & English.] Kjøbenhavn. 1913. xlvi, 154 p. f°.

Egypt. Survey department.

Meteorological report for the year 1910. Part 2. Climatological and rainfall observations. Cairo. 1913. xix, 199 p. f°.

Emerson, Frederick V.

Geography of Missouri. Columbia, Mo. 1912. 74 p. 8°. (University of Missouri bulletin. Educational series, v. 1, no. 4.) [Climate, p. 32-39.]

Hamburg. Deutsche Seewarte.

Atlas der Meeresströmungen in dem Indischen Ozean, auf Grund der Beobachtungen deutscher und holländischer Schiffe. Hamburg. 1913. 2 l, 24 charts. 68 x 89 cm.

Havana. Colegio de Belén. Observatorio.

[Observaciones meteorológicas & reseña, 1912]. Habana. 1913. 20, [70] p. f°.

Huntington, Ellsworth.

Secret of the big trees, Yosemite, Sequoia & General Grant national parks. [Washington.] 1913. 24 p. 14 fig. 8°. (U. S. Department of the interior. [Publication].) [Measurements and counts of the growth-rings of the big trees lead the author to conclusions on the prehistoric climate of their home. See also this Review for June, 1909.]

India. Meteorological department.

Rainfall of India, 1911. Calcutta, 1912. var. pag. f°.

Indo-China. Service météorologique.

Bulletin pluviométrique, 1912. Phu-Lien. 1913. [42] p. 2 maps. f°.

International meteorological committee.

Bericht über die Versammlung des Internationalen meteorologischen Komitees, Rom 1913. Berlin. 1913. 62 p. 4°. (Veröffentlichungen des Königlich preussischen meteorologischen Instituts. No. 260.)

Kartellirte Deutsche Akademien. Luftelektrische Kommission.

Protokoll der Sitzungen . . . am 24. und 25. Mai 1912, mit 5 Berichten. München. 1912. 391-450 p. 8°. (Sonderabdruck aus: Sitzungsberichte der K. bayer. Akademie der Wissenschaften, Math.-Physikal. Klasse, Jahrgang 1912.)

Kodaikanal & Madras observatories.

Annual Report, 1912. Madras. 1913. 2 p. l., 23 p. f°.

Körner, Otto.

Die Farbenerscheinungen beim Sonnenaufgang in den homerischen Gedichten. Rostock. 1912. [ii], 7 p. 8°. (Sonderabdruck aus den Sitzungsberichten u. Abhandlungen der Naturforschenden Gesellschaft zu Rostock, Neue Folge, Bd. 4, 1912, p. 393-399.)

Krakau. Obserwatory astronomicz.

Wyniki spostrzeżeń meteorologicznych w Galicyi w roku 1911. [Kraków. 1912.] 64 p. 8°. (Spraw. Kom. fizyogr.)

Leipzig. Universität. Geophysikalisches Institut.Synoptische Darstellungen atmosphärischer Zustände, Jahrgang 1910, Heft 1: Zustand der Atmosphäre über Europa am 6. Januar 1910. Leipzig. 1913. 2 p. 13 maps. 54 x 39 $\frac{1}{2}$ cm.**Mill, Hugh Robert.**

The rainfall of Surrey. London, 1912. 28-36 p. map. 8°. (From the "Water supply of Surrey," Mem. Geological survey, 1912.)

Moreux, Th.

La foudre, les orages, la grêle. Paris. n. d. 127 p. illus. 8°.

Neuchâtel. Observatoire cantonal.

Observations météorologiques faites en 1911. Neuchâtel. 1913. 60 p. 12°.

Rotzoll, H.

Zur Verwertung von Pilotballonen im Wetterdienst. Berlin. 1912. [iv], 76 p. 4°. (Sonderabdruck aus: Jahrbuch der Motorluftschiff-Studiengesellschaft, 1911-1912.)

Saxony. Königl. sächsische Landes-Wetterwarte.

Dekaden-Monatsberichte. (Vorläufige Mitteilung), 1911. Jahrgang 14. Dresden. 1912. 130 p. f°.

Deutsches meteorologisches Jahrbuch für 1910. Sachsen. 1. Hälfte. Dresden. 1912. 46, 86 p. f°.

Deutsches meteorologisches Jahrbuch für 1911. Sachsen. 1. Hälfte. Dresden. 1913. 88 p. f°.

Shida, Toshi.

On the elasticity of the earth and the earth's crust. Kyoto. 1912. 286 p. 30 pl. 8°. (Memoirs of the College of science & engineering, Kyoto imperial university, v. 4, no. 1.) [Section 2 of this work, p. 177-186, treats of the atmospheric tide.]

Trzebitzky, Franz.

Studien über die Niederschlagsverhältnisse auf der südosteuropäischen Halbinsel. Sarajevo. 1911. [iv], 95 p. maps. 8°. (Zur Kunde der Balkanhalbinsel. I. Reisen und Beobachtungen, herausgegeben von Dr. Carl Patsch. Heft 14.)

Württemberg. Königl. württembergische meteorologische Zentralstation.

Deutsches meteorologisches Jahrbuch für 1912. Württemberg. Stuttgart. 1913. 70 p. f°.

RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American geographical society. Bulletin. New York. v. 45. June, 1913.

Olmstead, A. T. Climatic changes. p. 439-441. [Criticizes historical data used by Prof. Huntington.]

Cairo scientific journal. Alexandria. v. 7. March, 1913.

Hurst, H. E. Note on the meaning of normal weather. p. 61-63.

Colliery engineer. Scranton, Pa. v. 33. June, 1913.

Hammon, W. H. The use of the barometer in mining. p. 645.

Engineering. London. v. 94. 1912.

Morris, J. T. The electrical measurement of wind velocity. p. 892-894.

Meteorological society of Japan. Journal. Tokyo. 32d year. May, 1913.

Horiguti, Y. On the amount of evaporation. p. 13-26.

Nature. London. v. 91. 1913.

Gold, Ernest. The upper air during föhn. p. 282. (May 15.)

[Abstract of paper by H. von Ficker.]

Cave, Charles J. P. The winds in the free air. p. 307-310. (May 22.)